



Hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

On July 31, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: Julie Taylor Clough

Attorney Docket No.: 019186-003800US

#841  
Ex (c)  
Amend A

PATENT

8-9-03

**RECEIVED**

AUG 07 2003

**Technology Center 2600**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

SHOKROLLAHI et al.

Application No.: 10/032,156

Filed: December 21, 2001

For: MULTI-STAGE CODE  
GENERATOR AND DECODER FOR  
COMMUNICATION SYSTEMS

Examiner:

Technology Center/Art Unit: 2661

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed March 13, 2003, please enter the following amendments and remarks:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 6 of this paper.

**Amendments to the Drawings** begin on page 15 of this paper and include an attached replacement sheet.

**Remarks/Arguments** begin on page 16 of this paper.

08/05/2003 WABDELR1 00000141 201430  
10032156

01 FC:2252 205.00 DA